

Title (en)
Optical area scanning device

Title (de)
Optische Bereichsabtastvorrichtung

Title (fr)
Dispositif optique d'examen d'une zone

Publication
EP 1983298 A1 20081022 (EN)

Application
EP 07121080 A 20071120

Priority
IT MO20070139 A 20070420

Abstract (en)
An optical scanning device (1), particularly for detecting the shape of an object, which comprises: at least one light source (2) adapted to emit light and at least one detection sensor (3) which comprises a light-sensitive surface (3a) and is arranged so as to receive the light emitted by the light source. The device further comprises a volume (10) which is arranged along a path of the light from the light source (2) to the detection sensor (3) so that the light source can illuminate the volume (10), which is adapted to accommodate an object (T) to be detected so that the object (T) interrupts the transmission of at least part of the light onto the detection sensor (3), thus projecting the profile of the object (T) onto the sensitive surface (3a) of the detection sensor (3), the detection sensor (3) being adapted to emit an electrical signal which is proportional to the area of the sensitive surface (3 a) struck by the light emitted by the light source (2).

IPC 8 full level
G01B 11/24 (2006.01); **G01B 11/28** (2006.01)

CPC (source: EP)
G01B 11/2433 (2013.01); **G01B 11/285** (2013.01)

Citation (search report)
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• [XY] DE 4201385 A1 19930722 - RENNER PETER DIPL ING [DE]
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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